



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE

United States Patent and Trademark Office

Address: COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, Virginia 22313-1450

www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/520,748	08/04/2005	Paul Longden	0148/383US	5046
23638 7590 03/19/2008 ADAMS INTELLECTUAL PROPERTY LAW, P.A. Suite 2350 Charlotte Plaza 201 South College Street CHARLOTTE, NC 28244				
EXAMINER				
KWEXCTNSKL RYAND				
ART UNIT		PAPER NUMBER		
3635				
MAIL DATE		DELIVERY MODE		
03/19/2008		PAPER		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

# Office Action Summary

**Application No.**

10/520,748

**Applicant(s)**

LONGDEN, PAUL

**Examiner**

RYAN D. KWIECINSKI

**Art Unit**

3635

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 8/4/2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-34 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-34 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 January 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-893)
- 4) ☐ Interview Summary (PTO-413)
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_
- Paper No(s)/Mail Date 1/10/2005

## DETAILED ACTION

### *Claim Objections*

Claim 3 is objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form.

Claim 3 does not add structural limitations to the glazing clip of claim 1.

**Claims 1, 4-6, 28, and 31 are objected to because of the following informalities:**

**Claim 1, line 1**, the recitation "the edge" is vague, indefinite, and unclear as lacking antecedent basis.

**Claim 4, lines 1-3**, the recitations "the base", "the U-shape", "the edge", "each arm", and "the respective external face" are vague, indefinite, and unclear as lacking antecedent basis.

**Claim 5, line 1**, the recitation "the arms" is vague, indefinite, and unclear as lacking antecedent basis.

**Claim 6, line 2**, the recitation "the interengaging means" is vague, indefinite, and unclear as lacking antecedent basis.

**Claim 28, line 1**, the recitation "the edge" is vague, indefinite, and unclear as lacking antecedent basis.

**Claim 31, line 3**, the recitation "the edge" is vague, indefinite, and unclear as lacking antecedent basis.

**Claims 32-34** fail to provide proper method steps. Proper method steps should recite the action to be taken and not what has already been done, this is typically done by using action verbs with an "-ing" ending. The recitations "are provided", "are provided", and "is provided" and "are configured" should read --providing...--, --configuring...--, etc.

Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

**Claims 1-4, 6-8, 10-23, and 25-34 are rejected under 35 U.S.C. 102(b) as being anticipated by EP 0152813 A2 to Wormann.**

**Claims 1, and 6-8:**

Wormann discloses a glazing clip (7,8,4, Fig.1,3) for fitting about the edge of a glazing unit, the glazing clip comprising means for interengaging with an ancillary element on at least one side of a glazing unit (5, Fig.5), in use, wherein the

Art Unit: 3600

interengaging means comprises an upstanding portion (5, Fig.5) per claim 6 with a plurality of rebated portions (notches in 5, Fig.5) per claim 7 with a mushroom formation (top of the upstanding portion forms a mushroom formation, Fig.5) per claim 8.

**Claim 2:**

Wormann discloses the glazing clip as claimed in claim 1, wherein the glazing clip comprises means for interengaging with an ancillary element on both sides of a glazing unit.

**Claim 3:**

Wormann discloses a glazing clip as claimed in claim 1.

See claim 1, claim 3 does not add further structure to the glazing clip.

**Claim 4:**

Wormann discloses the glazing clip as claimed in claim 3, wherein the base of the U-shape (10,14, Fig.3) extends across the edge of the glazing unit (Fig.2), in use, with each arm extending over the respective external face of the glazing panel on opposite sides thereof.

**Claim 10:**

Wormann discloses a kit for the construction of an ancillary element on a glazing unit, the kit comprising a plurality of glazing clips (glazing clips on both sides of the members 22,24, Fig.4,5) according to claim 1 (See claim 1).

Art Unit: 3600

**Claim 11:**

Wormann discloses the glazing clip as claimed in claim 10, the kit further comprises a cross-piece (25, Fig.5) for interengaging with a first ancillary element (24, Fig.5) in a first direction and with a second ancillary element (22, Fig.3) in a second direction.

**Claim 12:**

Wormann discloses the glazing clip as claimed in claim 11, wherein the cross-piece comprises a first interengaging member (5, Fig.5) for interengaging with a first ancillary element and a second interengaging member (upper part of 19, Fig.5) for interengaging with a second ancillary element.

**Claim 13:**

Wormann discloses the glazing clip as claimed in claim 12, wherein the cross-piece further comprises a third interengaging member (bottom part of 19, Fig.5) for interengaging with a third ancillary element.

**Claim 14:**

Wormann discloses the glazing clip as claimed in claim 13, wherein the cross-piece is configured whereby a first ancillary element will be substantially perpendicular to a second and a third ancillary element (Fig.5).

**Claim 15:**

Art Unit: 3600

Wormann discloses the glazing clip as claimed in claim 13 wherein the first interengaging member is substantially similar in cross-section to the second interengaging member (same cross section, Fig.5).

**Claim 16:**

Wormann discloses the glazing clip as claimed in claim 15, wherein the first interengaging member is substantially similar in cross-section to the third interengaging member (same cross section, Fig.5).

**Claim 17:**

Wormann discloses the glazing clip as claimed in 13, wherein the first interengaging member is substantially perpendicular to the second interengaging member (Fig.5).

**Claim 18:**

Wormann discloses the glazing clip as claimed in claim 13, wherein the first interengaging member is substantially perpendicular to the third interengaging member (Fig.5).

**Claim 19:**

Wormann discloses the glazing clip as claimed in claim 10, wherein the glazing clips in the kit are substantially similar (the clips are all similar clips).

**Claim 20:**

Wormann discloses the glazing clip as claimed in claim 10, wherein the kit additionally comprises at least one ancillary element (24, Fig.5) for interengaging with the glazing clips.

**Claim 21:**

Wormann discloses the glazing clip as claimed in claim 20, wherein the ancillary element is for a Georgian effect glazing assembly (24, Fig.5).

**Claim 22:**

Wormann discloses the glazing clip as claimed in claim 20 wherein the ancillary element is of substantially constant cross-section (24, Fig.5).

**Claim 23:**

Wormann discloses the glazing clip as claimed in claim 20, wherein the ancillary element comprises a female interengaging member (23, Fig.5) for interengaging with a male interengaging member of a glazing clip.

**Claim 25:**

Wormann discloses the glazing clip as claimed in claim 20, wherein the ancillary element comprises a lower face (face with groove 23, Fig.5) to be against a glazing panel in use, and the glazing clip is configured to interengage with the ancillary element in the lower face.

**Claim 26:**



Wormann discloses the glazing clip as claimed in claim 25, wherein the lower face has a longitudinal slot (23, Fig.5) therein for receiving the glazing clip.

**Claim 27:**

Wormann discloses the glazing clip as claimed in claim 25 wherein the ancillary element and glazing clip interengage by a snap-fit connection (Fig.4).

**Claim 28:**

Wormann discloses the glazing assembly comprising a glazing unit (Fig.4) about the edge of which is at least one glazing clip according to claim 1 (see claim 1) and at least one ancillary element (24, Fig.5) engaged with the glazing clip.

**Claim 29:**

Wormann discloses the glazing clip as claimed in claim 28, wherein the ancillary element is engaged with a first glazing clip and a second glazing clip after each has been placed about the glazing unit (Fig.5; glazing clips engage the element on both ends).

**Claim 30:**

Wormann discloses the glazing clip as claimed in claim 28 wherein the glazing assembly comprises a frame (wooden structure, Fig.2) about the glazing unit.

**Claim 31:**

Wormann discloses the method of construction of a glazing assembly, the method comprising the steps of providing a glazing clip according to claim 1 (See claim 1) to the edge of a glazing unit and engaging an ancillary element (24, Fig.5) therewith.

**Claim 32:**

Wormann discloses the method of construction of a glazing assembly as claimed in claim 31 wherein a plurality of glazing clips (on each end of each element) are provided to support the ancillary element.

**Claim 33:**

Wormann discloses the method of construction of a glazing assembly as claimed in claim 31 or claim 32, wherein a plurality of ancillary elements are provided (24,22, Fig.5).

**Claim 34:**

Wormann discloses the method of construction of a glazing assembly as claimed in claim 33, wherein the ancillary elements are configured to meet (Fig.5) and a cross-piece (25, Fig.5) is provided to engage with ancillary elements in the region of the meeting of the ancillary elements.

**Claims 1, 3-4, and 9 are rejected under 35 U.S.C. 102(e) as being anticipated by US 6,792,724 B2 to Burgess.**

**Claims 1 and 3:**

Burgess discloses a glazing clip (33, Fig.3) for fitting about the edge of a glazing unit (30, Fig.3), the glazing clip comprising means for interengagement (35,36, Fig.3) with an ancillary element on at least one side of a glazing unit, in use.

**Claim 4:**

Burgess discloses a glazing clip as claimed in claim 3, wherein the base of the U-shape (34, Fig.3) extends across the edge of the glazing unit, in use, with each arm (35,36, Fig.3) extending over the respective external face of the glazing panel on opposite sides thereof.

**Claim 9:**

Burgess discloses the glazing clip as claimed in claim 1, wherein the glazing clip consists of a thermoplastic material (Column 3, lines 19-20).

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

**Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over US 6,792,724 B2 to Burgess in view of US 4,151,696 to Knights et al.**

Art Unit: 3600

**Claim 5:**

Burgess discloses glazing clip as claimed in claim 4, but does not disclose wherein the arms of the glazing clip are inclined from the perpendicular relative to the base, whereby in use the glazing clip is biased to the glazing unit.

Knights et al. discloses the arms (10,11, Fig.1) of the glazing clip are inclined from the perpendicular relative to the base, whereby in use the glazing clip is biased to the glazing unit.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have formed a glazing clip around the unit of Burgess with arms that were inclined from the perpendicular in order to create a secure connection between the clip and the glazing unit. The inclined arms created a restricted gap between the arms which will tightly secure the glazing unit in the gap between the arms.

**Claim 24 is rejected under 35 U.S.C. 103(a) as being unpatentable over EP 0152813 A2 to Wormann in view of US 6,026,621 to Fisher.**

**Claim 24:**

Wormann discloses the glazing clip as claimed in claim 20, but does not disclose wherein the ancillary element comprises a male interengaging member for interengaging with a female interengaging member of a glazing clip.

Fisher discloses the ancillary element comprises a male interengaging member (22, Fig.4) for interengaging with a female interengaging member (Fig.2) of a glazing clip.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have flipped the connection means of Wormann providing the clip with the female connecting means and the element with the male connecting means since this will lead the same final structure of the window glazing unit. Which member has the male and female connecting means is a matter of choice in the design.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to RYAN D. KWIECINSKI whose telephone number is (571)272-5160. The examiner can normally be reached on Monday - Friday from 9 am to 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Canfield can be reached on (571)272-6840. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3600

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

RDK

/Ryan D Kwiecinski/  
Examiner, Art Unit 3635

/Robert J Canfield/

Supervisory Patent Examiner, Art Unit 3635